Appendix table 1-7

Advanced mathematics and science credits earned by high school graduates, by student and school characteristics: Selected years, 1990–2009

Student and school characteristic	Advanced mathematics[a]	Advanced science[b]
1990 graduates	0.9	1.1
2000 graduates	1.4	1.5
2005 graduates	1.5	1.6
2009 graduates	1.7	1.9
Sex		
Male	1.7	1.8
Female	1.7	1.9
Race/ethnicity[c]		
White	1.8	2.0
Black	1.4	1.6
Hispanic	1.3	1.5
Asian/Pacific Islander	2.4	2.8
Community type		
Urban	1.7	1.9
Suburban	1.9	2.1
Rural	1.5	1.6
School size (enrollment)		
Small (1–499)	1.5	1.7
Medium (500–1,999)	1.8	1.9
Large (≥2,000)	1.7	2.0
School poverty rate[d]		
Very low	2.0	2.3
Low	2.0	2.2
Medium	1.5	1.7
High	1.4	1.6

AP = Advanced Placement; IB = International Baccalaureate

[a]"Advanced mathematics" courses include algebra II, trigonometry, statistics/probability, pre-calculus/analysis, calculus, and any AP/IB mathematics courses.
[b]"Advanced science" courses include advanced biology, chemistry, physics, advanced environmental/earth science, engineering, and any AP/IB science courses.
[c]American Indian/Alaska Native students are included in the total but not shown separately due to small sample sizes.
[d]Students eligible for national free/reduced-priced lunch program: very low = ≤5%, low = 6%–25%, medium = 26%–50%, and high ≥ 51%.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, special tabulations (2011) of National Assessment of Educational Progress 1990, 2000, 2005, and 2009 High School Transcript Studies, National Center for Education Statistics.

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